

## ABSTRACT

The present invention makes possible the easy production of a control two-dimensional electrophoresis pattern, a target for comparison, under various conditions, and perform quick and accurate analysis.

The present invention relates to a program which allows a computer to execute the processes of: producing a control two-dimensional electrophoresis pattern based on genomic nucleotide sequence information, comparing the control two-dimensional electrophoresis pattern and a target two-dimensional electrophoresis pattern obtained by performing two-dimensional electrophoresis using target genomic DNA, and detecting a difference of spot positions between the control two-dimensional electrophoresis pattern and the target two-dimensional electrophoresis pattern.